Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071620\
Data File : BM026786.D
Acq On : 16 Jul 2020 15:15
Operator : JU/CG
Sample : L1955-07
Misc : MDL-SOIL-07
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-07

Manual Integrations APPROVED
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7/17/2020 12:31:00 PM

Quant Time: Jul 16 15:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 13:06:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	58333	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	265900	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	182013	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.73	188	403280	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	458976	20.00	ng/ul	0.00
86) Perylene-d12	23.01	264	538761	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.90	96	11092	5.71	ng/uL	0.00
5) Phenol-d5	6.52	99	171989	32.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	129512	35.85	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	135606	33.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	145390	34.03	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	69842	33.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	78939	35.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.70	165	141484	32.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.21	131	202729	43.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	529686	36.48	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	602302	34.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.22	143	62619	29.89	ng/ul	0.00
58) Fluorene-d10	14.97	176	426292	33.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	85291	33.85	ng/ul	0.00
71) Anthracene-d10	16.82	188	686441	34.56	ng/ul	0.00
79) Pyrene-d10	19.14	212	812941	34.08	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	934667	32.15	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	2922	1.390	ng/uL#	80
4) Benzaldehyde	6.48	77	8650m	3.049	ng/ul	
6) Phenol	6.55	94	16745	2.851	ng/ul#	88
8) Bis(2-Chloroethyl)ether	6.76	93	14284	3.194	ng/ul	93
10) 2-Chlorophenol	6.88	128	12798	2.828	ng/ul	96
11) 2-Methylphenol	7.78	108	11539	2.750	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	7.84	45	30860	3.557	ng/ul	100
14) Acetophenone	8.13	105	22506	3.109	ng/ul	88
15) N-Nitroso-di-n-propylamine	8.12	70	14219	3.325	ng/ul	91
16) 4-Methylphenol	8.10	108	13584	2.912	ng/ul	82
17) Hexachloroethane	8.35	117	5977	2.981	ng/ul	89
20) Nitrobenzene	8.50	77	19256	2.904	ng/ul	96
21) Isophorone	9.02	82	32995	2.960	ng/ul	97
23) 2-Nitrophenol	9.20	139	7578	2.921	ng/ul	95
24) 2,4-Dimethylphenol	9.28	107	15841	2.652	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.51	93	20677	3.120	ng/ul	99
27) 2,4-Dichlorophenol	9.73	162	13087	2.884	ng/ul#	86
28) Naphthalene	10.11	128	44845	2.849	ng/ul	99
30) 4-Chloroaniline	10.24	127	17911	3.646	ng/ul	90
31) Hexachlorobutadiene	10.40	225	9900	3.011	ng/ul	94
32) Caprolactam	11.07	113	3460m	2.761	ng/ul	
33) 4-Chloro-3-methylphenol	11.40	107	12825	2.484	ng/ul	97
34) 2-Methylnaphthalene	11.74	142	33002	2.993	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	11.96	142	31463	3.061 ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.12	216	18231	2.756 ng/ul#	97
38) Hexachlorocyclopentadiene	12.09	237	2632	0.780 ng/ul#	86
39) 2,4,6-Trichlorophenol	12.39	196	9310	2.384 ng/ul	92
40) 2,4,5-Trichlorophenol	12.48	196	8850	2.072 ng/ul	97
41) 1,1'-Biphenyl	12.79	154	44476	2.823 ng/ul	99
42) 2-Chloronaphthalene	12.82	162	33123	2.671 ng/ul	97
43) 2-Nitroaniline	13.06	65	10205	2.448 ng/ul	97
45) Dimethylphthalate	13.45	163	49023	3.226 ng/ul	97
46) 2,6-Dinitrotoluene	13.57	165	7695	2.620 ng/ul#	83
48) Acenaphthylene	13.68	152	55032	2.929 ng/ul	99
49) 3-Nitroaniline	13.91	138	5099	2.089 ng/ul#	98
50) Acenaphthene	14.03	153	36829	2.773 ng/ul	99
51) 2,4-Dinitrophenol	14.15	184	1724	1.130 ng/ul#	75
53) 4-Nitrophenol	14.24	109	8476m	3.930 ng/ul	
54) Dibenzofuran	14.38	168	55078	2.923 ng/ul	97
55) 2,4-Dinitrotoluene	14.38	165	11951	2.736 ng/ul#	74
56) 2,3,4,6-Tetrachlorophenol	14.62	232	10018	2.725 ng/ul	92
57) Diethylphthalate	14.84	149	49604	3.248 ng/ul	100
59) Fluorene	15.03	166	44613	2.898 ng/ul	98
60) 4-Chlorophenyl-phenylether	15.04	204	24132	3.016 ng/ul	97
61) 4-Nitroaniline	15.09	138	5041m	1.826 ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.14	198	8018	3.004 ng/ul#	68
65) N-Nitrosodiphenylamine	15.25	169	39174	2.905 ng/ul	95
66) 4-Bromophenyl-phenylether	15.93	248	14459	2.974 ng/ul	92
67) Hexachlorobenzene	16.04	284	16874	3.046 ng/ul	92
68) Atrazine	16.23	200	13857	3.154 ng/ul	93
69) Pentachlorophenol	16.41	266	5748m	2.104 ng/ul	
70) Phenanthrene	16.77	178	74683	2.974 ng/ul	96
72) Anthracene	16.86	178	75073	2.963 ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	12.74	216	18744	2.696 ng/uL	95
74) Pentachlorobenzene	14.29	250	19503	2.929 ng/uL	99
75) Carbazole	17.15	167	58954	2.906 ng/ul	96
76) Di-n-butylphthalate	17.73	149	75830	3.089 ng/ul	99
77) Fluoranthene	18.80	202	86145	3.316 ng/ul	97
80) Pyrene	19.17	202	98433	3.026 ng/ul	97
81) Butylbenzylphthalate	20.11	149	33418	2.896 ng/ul	96
82) 3,3'-Dichlorobenzidine	20.89	252	23870	2.580 ng/ul	96
83) Benzo(a)anthracene	20.94	228	100005	3.165 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	20.90	149	51406	2.991 ng/ul	98
85) Chrysene	20.99	228	94689	3.021 ng/ul	98
87) Di-n-octyl phthalate	21.74	149	89777	2.704 ng/ul	100
88) Benzo(b)fluoranthene	22.41	252	105092	2.872 ng/ul	98
89) Benzo(k)fluoranthene	22.45	252	99976	2.756 ng/ul	98
91) Benzo(a)pyrene	22.92	252	101773	3.135 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.01	276	107899	2.547 ng/ul	95
93) Dibenzo(a,h)anthracene	25.02	278	92045	2.579 ng/ul	98
94) Benzo(g,h,i)perylene	25.62	276	92346	2.613 ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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